The listing of the claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 to 8 (Canceled).

Claim 9 (New). A radial piston pump (1) for high-pressure fuel generation in fuel injection systems of internal combustion engines, in particular in a common rail injection system, having a drive shaft (4) which is mounted in a pump casing (2) and has an eccentric shaft section (6) on which a running roller (8) is mounted, and having preferably a plurality of pistons (16), which are arranged in a respective cylinder (14) radially with respect to the drive shaft (4) and each have a piston footplate (18), which makes contact with the circumferential surface (10, 12) of the running roller (8), at their ends facing the running roller (8), wherein at least that surface (28, 31) of the piston footplate (18) which is in contact with the circumferential surface (10, 12) of the running roller (8) consists of hard metal, a cast carbide material, or cermet.

Claim 10 (New). The radial piston pump as claimed in claim 9, wherein the piston footplate (18), on its surface (31) facing

the running roller (8), bears at least one insert (30) made from hard metal, from a cast carbide material or from cermet.

Claim 11 (New). The radial piston pump as claimed in claim 9, wherein the hard metal contains G20, GC37 or GC20 and has a surface roughness R_z of between 0.3 µm and 1.0 µm.

Claim 12 (New). The radial piston pump as claimed in claim 9, wherein the cast carbide material contains a chilled cast iron material, in particular GGH or SoGGH, and has a surface roughness R_z of between 0.5 µm and 2.0 µm.

Claim 13 (New). The radial piston pump as claimed in claim 9, wherein the piston footplate (18), on its surface (31) facing the running roller (8), has at least two grooves (50) which cross one another.

Claim 14 (New). The radial piston pump as claimed in claim 13, wherein one such groove (50) is in each case arranged in the center of a depression (39), forming a groove run-out, in the surface (31).

Claim 15 (New). The radial piston pump as claimed in claim 9, wherein the surface of the piston footplate (18) and/or of the

running roller (8) has a surface roughness R_z of between 0.15 µm and 2 µm.